

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services  
Division of Environmental Health, 11 SHS  
(207) 287-5672 FAX (207) 287-4172

<b>PROPERTY LOCATION</b>		<b>&gt;&gt; CAUTION: LPI APPROVAL REQUIRED &lt;&lt;</b>	
City, Town, or Plantation	LAMOINE	Town/City	LAMOINE Permit # 1798
Street or Road	GOOGINS LANE	Date Permit Issued	6/4/16 Fee \$ 260 Double Fee Charged ( )
Subdivision, Lot #		Local Plumbing Inspector Signature	<i>[Signature]</i> L.P.I. #
<b>OWNER/APPLICANT INFORMATION</b>			
Name (last, first, MI)	ROSS, LARRY	<input checked="" type="checkbox"/> Owner	<input type="checkbox"/> Owner <input type="checkbox"/> Town <input checked="" type="checkbox"/> State
Mailing Address of	P.O. BOX 11	The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with the application and the Maine Subsurface Wastewater Disposal Rules.	
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant	CANAAN, ME. 04924		
Daytime Tel. #	(207) 399-2114	Municipal Tax Map #	12 Lot # 14
<b>OWNER OR APPLICANT STATEMENT</b>		<b>CAUTION: INSPECTION REQUIRED</b>	
I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a permit.		I have inspected the installation authorized above and found it to be in compliance with Subsurface Wastewater Disposal Rules Application.	
<i>[Signature]</i> 5/31/16 Signature of Owner or Applicant Date		<i>[Signature]</i> Local Plumbing Inspector Signature	
		(1st Date Approved)	
		(2nd Date Approved)	

## PERMIT INFORMATION

<b>TYPE OF APPLICATION</b> <input type="checkbox"/> 1. First Time System <input checked="" type="checkbox"/> 2. Replacement System Type Replaced: TRENCH Year Installed: 1960's <input type="checkbox"/> 3. Expanded System <input type="checkbox"/> a. Minor Expansion <input type="checkbox"/> b. Major Expansion <input type="checkbox"/> 4. Experimental System <input type="checkbox"/> 5. Seasonal Conversion	<b>THIS APPLICATION REQUIRES</b> <input type="checkbox"/> 1. No Rule Variance <input type="checkbox"/> 2. First Time System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval <input checked="" type="checkbox"/> 3. Replacement System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval <input type="checkbox"/> 4. Minimum Lot Size Variance <input type="checkbox"/> 5. Seasonal Conversion Permit	<b>DISPOSAL SYSTEM COMPONENT(S)</b> <input type="checkbox"/> 1. Complete Non-engineered System <input type="checkbox"/> 2. Primitive System (graywater & alt. toilet) <input type="checkbox"/> 3. Alternative Toilet, specify: <input type="checkbox"/> 4. Non-engineered Treatment Tank (only) <input type="checkbox"/> 5. Holding Tank, _____ gallons <input type="checkbox"/> 6. Non-engineered Disposal Field (only) <input type="checkbox"/> 7. Separated Laundry System <input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more) <input type="checkbox"/> 9. Engineered Treatment Tank (only) <input type="checkbox"/> 10. Engineered Disposal Field (only) <input type="checkbox"/> 11. Pre-treatment, specify: <input type="checkbox"/> 12. Miscellaneous components
<b>SIZE OF PROPERTY</b> _____ sq. ft. 3 ± acres <b>SHORELAND ZONING</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>DISPOSAL SYSTEM TO SERVE</b> <input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: 2 <input type="checkbox"/> 2. Multiple Family Dwelling, No. of Units: <input type="checkbox"/> 3. Other: (SPECIFY)	<b>TYPE OF WATER SUPPLY</b> <input checked="" type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private <input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other:
Current Use: <input checked="" type="checkbox"/> Seasonal <input type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped		

## DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

<b>TREATMENT TANK</b> <input checked="" type="checkbox"/> 1. Concrete WATER <input type="checkbox"/> a. Regular TIGHT <input type="checkbox"/> b. Low Profile <input type="checkbox"/> 2. Plastic <input checked="" type="checkbox"/> 3. Other: LIFT STATION CAPACITY 1000 gallons	<b>DISPOSAL FIELD TYPE &amp; SIZE</b> <input type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench <input checked="" type="checkbox"/> 3. Proprietary Device 8 SIDE FEED CONCRETE CHAMBERS <input type="checkbox"/> a. Cluster Array <input type="checkbox"/> c. Linear <input type="checkbox"/> b. Regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other: SIZE 616 sq. ft. <input type="checkbox"/> lin. ft.	<b>GARBAGE DISPOSAL UNIT</b> <input type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe If Yes or Maybe, specify one below: <input type="checkbox"/> a. Multi-compartment Tank <input type="checkbox"/> b. _____ Tanks in Series <input type="checkbox"/> c. Increase in Tank Capacity <input type="checkbox"/> d. Filter on Tank Outlet	<b>DESIGN FLOW</b> 180 gallons per day BASED ON <input type="checkbox"/> 1. Table 4A (dwelling unit(s)) <input type="checkbox"/> 2. Table 4C (other facilities) SHOW CALCULATIONS for other facilities
<b>SOIL DATA &amp; DESIGN CLASS</b> PROFILE CONDITION 2, 1, C at Observation Hole # 1 Depth 15" OF MOST LIMITING SOIL FACTOR	<b>DISPOSAL FIELD SIZING</b> <input type="checkbox"/> 1. Medium - 2.6 sq. ft./gpd <input checked="" type="checkbox"/> 2. Medium-Large - 3.3 sq. ft./gpd <input type="checkbox"/> 3. Large - 4.1 sq. ft./gpd <input type="checkbox"/> 4. Extra Large - 5.0 sq. ft./gpd	<b>EFFLUENT/EJECTOR PUMP</b> <input type="checkbox"/> 1. Not Required <input type="checkbox"/> 2. May be Required <input checked="" type="checkbox"/> 3. Required Specify only for engineered systems DOSE: _____ gallons	<input type="checkbox"/> 3. Section 4G (meter readings) ATTACH WATER METER DATA <b>LATITUDE AND LONGITUDE</b> at Center of Disposal Area Lat. 44° 27' 32.5" N Lon. 68° 10' 36.5" W if g.p.s., state margin of error 30'

## SITE EVALUATOR STATEMENT

I certify that on 5-17-16 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

<i>[Signature]</i>	319	5-22-16
Site Evaluator Signature	SE#	Date
WILLIAM A. LaBELLE, JR.	(207) 537-5900	labelleseptic@rivah.net
Site Evaluator Name Printed	Telephone Number	E-mail Address

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services  
Division of Environmental Health, 11 SHS  
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation  
**LAMOINE**

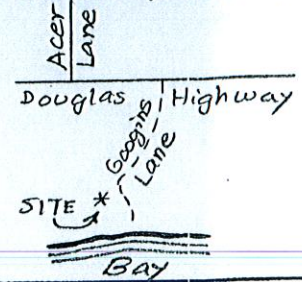
Street, Road, Subdivision  
**GOOGINS LANE**

Owner or Applicant Name  
**LARRY ROSS**

SITE PLAN

Scale 1" = 100 Ft.

SITE LOCATION PLAN  
(Attach map from Maine Atlas  
for First Time System Variance)



( SEE ATTACHED SITE PLAN )

## SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above or on pg. 2A)

Observation Hole #1 ☒ Test Pit ☐ Boring  
2 " Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling
FINE SANDY LOAM	FRIABLE	DARK BROWN (10YR 3/3)	N.E.
TO LOAMY FINE SAND	COMPACTED	LIGHT OLIVE BROWN (2.5Y 5/4)	FEW DISTINCT COMMON DISTINCT

Soil Classification C Slope 2 % Limiting Factor 15 " Depth  
Profile Condition

☒ Ground Water  
☐ Restrictive Layer  
☐ Bedrock  
☐ Pit Depth

Observation Hole          ☐ Test Pit ☐ Boring  
" Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling

Soil Classification          Slope          % Limiting Factor          " Depth  
Profile Condition

☐ Ground Water  
☐ Restrictive Layer  
☐ Bedrock  
☐ Pit Depth

Site Evaluator's Signature

319  
S. E. #

5-22-16  
Date

Town, City, Plantation LAMOINE	Street, Road, Subdivision GODDINS LANE	Owner or Applicant Name LARRY ROSS
-----------------------------------	---	---------------------------------------

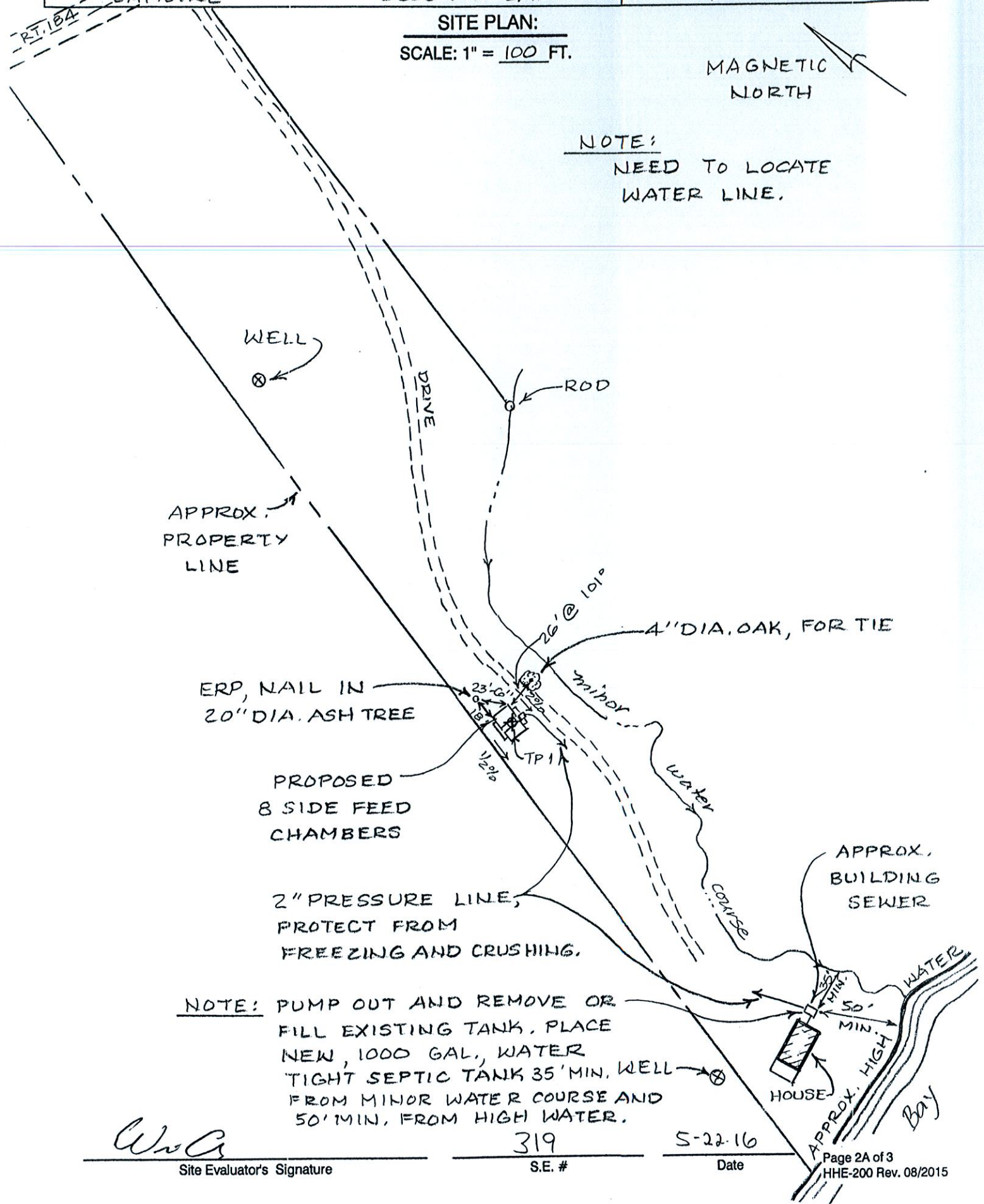
**SITE PLAN:**

SCALE: 1" = 100 FT.

MAGNETIC  
NORTH

NOTE:

NEED TO LOCATE  
WATER LINE.



Site Evaluator's Signature

S.E. #

Date

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services  
Division of Environmental Health, 11 SHS  
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation  
LAMOINE

Street, Road, Subdivision  
GOOGINS LANE

Owner or Applicant Name  
LARRY ROSS

## SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20 FT.

NOTE: SEE ALL NOTES  
PAGE 2A.

MAGNETIC  
NORTH

ERP, NAIL IN  
20" DIA. ASH  
TREE.

PROPOSED 8'-4'x8'  
SIDE FEED CHAMBERS  
PLACED IN 2 ROWS  
OF 4 SEPARATED  
BY 5'. FOUR  
CORNERS ARE  
STAKED OUT.

TIE ENDS  
TOGETHER

APPROX.  
PROPERTY LINE

APPROX. EDGE OF FILL

2" PRESSURE LINE, PROTECT  
FROM FREEZING AND  
CRUSHING.

EDGE OF STONE

4" DIA. OAK,  
FOR TIE

LARGE  
DISTRIBUTION BOX  
SET ON FIRM  
LEVEL BASE.  
PROTECT FROM  
FREEZING. FEED  
ROWS EQUALLY.

DRIVE

LIFT STATION,  
(SEE PAGE 2A)

### FILL REQUIREMENTS

Depth of Backfill (Upslope) 19'-20" Finished Grade Elevation

Depth of Backfill (Downslope) 20'-25" Top of Distribution Pipe or Proprietary Device

Depths @ cross-section shown below or on X-sec. detail. Bottom of Disposal Field

### CONSTRUCTION ELEVATIONS

SYSTEM: CROWN -35"

-47"

-60"

PRVY:

N/A

### ELEVATION REFERENCE POINT

Location & Description NAIL 49"

ABOVE GROUND IN 20" DIA.

ASH TREE.

Reference Elevation is: 0"

### DISPOSAL AREA CROSS SECTION (SEE ATTACHED CROSS SECTION)

#### NOTES:

1. Tank(s) must be 8' minimum from building, 35' min from WATER COURSE, 50' min from HIGH WATER.
2. Grade surrounding area to divert surface water away from system.
3. All work done adjacent to wetlands and water bodies must be done in compliance with section 12 of the Subsurface Wastewater Disposal Rules. Erosion and sediment control measures must be in accordance with the March 2003 edition of the Maine DEP Handbook "Maine Erosion and Sediment Control BMPS" (DEPWO588).
4. Install septic tank(s) risers 18" in diameter "minimum" to within 6" of finished grade on inlet, cleanout and outlet covers; (recommend extending risers to finish grade). Install risers to finish grade of appropriate size to allow pump removal on all in-tank pump chambers and separate pump tanks.
5. Protect lift stations and pump tanks from freezing.

*W. C. Y.*  
Site Evaluator's Signature

319  
S.E. #

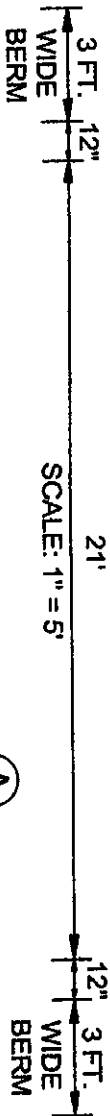
5-22-16  
Date

Page 3 of 3  
HHE-200 Rev. 08/2015

# DISPOSAL AREA CROSS SECTION

NOTE: GRADE UPSLOPE  
TO DIVERT SURFACE WATER  
AWAY FROM SYSTEM.

TOP 4" OF FILL TO BE A GOOD LOAM  
SOIL MIX TO ESTABLISH A GOOD  
VEGETATIVE COVER, SEED AND  
AND MULCH TO PREVENT EROSION,  
SEC. 11-G.



2" COMPRESSED HAY (OR FILTER  
FABRIC) SEC. 11-F RECOMMENDED  
OVER STONE AND CHAMBERS

FILL MATERIAL SHALL BE 8"-12" THICK  
OVER CHAMBERS AND SHALL BE GRAVELLY  
COARSE SAND TO THE STANDARDS IN  
SEC. 11-E IN THE SUBSURFACE RULES.

FILL EXTENSIONS  
NO GREATER THAN  
4:1, (25% SLOPE).

FILL EXTENSIONS  
NO GREATER THAN  
4:1, (25% SLOPE).

REMOVE VEGETATION AND SCARIFY  
ORIGINAL SOIL UNDER ENTIRE FILL AREA, SEC. 11-B.

## ELEVATIONS:

ELEV. REF. PT. (ERP):

0'

FINISHED GRADE:

- 35" CROWN

TOP OF CHAMBERS:

- 47"

BOTTOM OF CHAMBERS:

- 60"

BOTTOM OF CHAMBERS MUST BE  
LEVEL WITH MAXIMUM GRADE  
TOLERANCE OF 2" PER 100'.

## NOTE:

SYSTEM MUST BE INSTALLED ACCORDING  
TO THE RULES AND PRACTICES SET FORTH  
IN THE MOST CURRENT VERSION OF THE  
STATE OF MAINE SUBSURFACE WASTEWATER  
DISPOSAL RULES. INSTALLATION CONTRACTOR  
MUST BE FAMILIAR WITH SAID RULES AND  
CONSTRUCT SYSTEM IN FULL COMPLIANCE  
WITH SECTION 11 OF SAID RULES.

12" CLEAN STONE,  
(3/4" - 2 1/2" DIA.),  
UNIFORM SIZE.

LIMITING  
FACTOR

THOROUGHLY MIX, DISK OR ROTO-TILL  
CLEAN, COARSE, SHARP SAND INTO  
TOP 4 INCHES OF ORIGINAL SOIL TO  
CREATE A TRANSITION ZONE, SEC. 11-B.

OWNER: LARRY ROSS  
LOCATION: LAMOINE

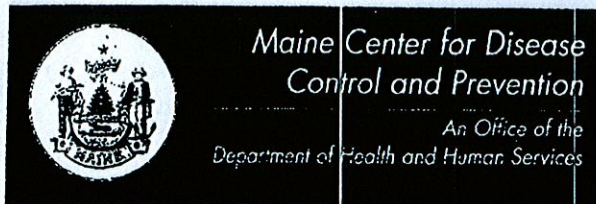
WILLIAM A. LABELLE, JR.

S.E.#

DATE

319

5-22-16



Department of Health and Human Services  
Maine Center for Disease Control and Prevention  
286 Water Street  
# 11 State House Station  
Augusta, Maine 04333-0011  
Tel: (207) 287-5672  
Fax: (207) 287-4172; TTY: 1-800-606-0215

## SUBSURFACE WASTEWATER DISPOSAL SYSTEM VARIANCE REQUEST

This form must accompany an application (HHE-200 Form) for any subsurface wastewater disposal system which requires a variance to provisions of the Subsurface Wastewater Disposal Rules. The Local Plumbing Inspector must not issue a permit for the installation of a subsurface wastewater disposal system requiring a variance from the Department of Health and Human Services until approval has been received from the Department.

<b>GENERAL INFORMATION</b>		Town of <u>LAMOINE</u>
Property Owner's Name: <u>LARRY ROSS</u>	Tel. No.: <u>(207) 399-2114</u>	
System's Location: <u>GOOGINS LANE</u>		
Property Owner's Address: <u>P.O. BOX 11- CANAAN, ME.</u>	Zip Code	<u>04924</u>
e-mail address: _____		

The subsurface wastewater disposal system design for the subject property requires a ☒ replacement system variance ☐ first time system variance to the Subsurface Wastewater Disposal Rules. This variance requires ☒ local approval ☐ local and state approval.

SPECIFIC VARIANCE REQUESTED (To be filled in by Site Evaluator. Use additional sheets if needed.)	SECTION OF RULE
1. <u>(SEE ATTACHED SCHEDULE OF VARIANCE REQUESTS)</u>	
2. _____	
3. _____	

**SITE EVALUATOR**

When a property is found to be unsuitable for subsurface wastewater disposal by a licensed Site Evaluator, the Evaluator shall so inform the property owner. If the property owner, after exploring all other alternatives, wishes to request a variance to the Rules, and the Evaluator in his professional opinion feels the variance request is justified and the site limitations can be overcome, he shall document the soil and site conditions on the Application. The Evaluator shall list the specific variances necessary plus describe below the proposed system design and function. The Evaluator shall further describe how the specific site limitations are to be overcome, and provide any other support documentation as required prior to consideration by the Department. Attach a separate sheet if necessary.

VARIANCE REQUESTS MINIMIZED.

I, WILLIAM A. LABELLE, JR. # 319, S.E., certify that a variance to the Rules is necessary since a system cannot be installed which will completely satisfy all the Rule requirements. In my judgment, the proposed system design on the attached Application is the best alternative available; enhances the potential of the site for subsurface wastewater disposal; and that the system should function properly.

William A. Labelle, Jr. # 319 5-22-16

SIGNATURE OF SITE EVALUATOR DATE

<b>PROPERTY OWNER</b>	
I, <u>LARRY ROSS</u> , am the <input checked="" type="checkbox"/> owner <input type="checkbox"/> agent for the owner of the subject property. I understand that the installation on the Application is not in total compliance with the Rules. Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.	
<u>[Signature]</u>	<u>5/31/2016</u>
<input checked="" type="checkbox"/> SIGNATURE OF OWNER	DATE
<input type="checkbox"/> AGENT FOR THE OWNER	

LAMOINE


GOOGINS LANE

LARRY ROSS

**LOCAL PLUMBING INSPECTOR - Approval at local level**

The local plumbing inspector shall review all variance requests prior to rendering a decision.

I, Michael J. Jordan, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system ( ☐ does ☒ does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I ( ☒ do ☐ do not) approve the requested variance. I ( ☒ will ☐ will not) issue a permit for the system's installation as proposed by the application.

  
LPI Signature

6/4/16  
Date

**LOCAL PLUMBING INSPECTOR - Referral to the Department**

The local plumbing inspector shall review all variance requests prior to forwarding to the Division of Environmental Health.

I, \_\_\_\_\_, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system ( ☐ does ☐ does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I ( ☐ do ☐ do not) recommend the issuance of a permit for the system's installation as proposed by the application.

\_\_\_\_\_  
LPI Signature

\_\_\_\_\_  
Date

**FOR USE BY THE DEPARTMENT ONLY**

The Department has reviewed the variance(s) and ( ☐ does ☐ does not) give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

\_\_\_\_\_  
SIGNATURE OF THE DEPARTMENT

\_\_\_\_\_  
DATE

Notes: 1. Variances for soil conditions may be approved at the local level as long as the total point assessment is at least the minimum allowed. (See Section 7.B.4 of the Subsurface Wastewater Disposal Rules for Municipal Review.)

2. Variances for other than soil conditions or soil conditions beyond the limit of the LPI's authority are to be submitted to the Department for review. (See Section 7.B.3 for Department Review.) The LPI's signature is required on these variance requests prior to sending them to the Department.

**SOIL, SITE AND ENGINEERING FACTORS FOR FIRST TIME SYSTEM VARIANCE ASSESSMENT  
WITH LIMITING SOIL DRAINAGE CONDITIONS (SEE TABLES 7C THROUGH 7M).**

	CHARACTERISTIC	POINT ASSESSMENT
Soil Profile		
Depth to Groundwater/Restrictive Layer		
Terrain		
Size of Property		
Waterbody Setback		
Water Supply		
Type of Development		
Disposal Area Adjustment		
Vertical Separation Distance		
Additional Treatment		
<b>TOTAL POINT ASSESSMENT:</b>		

Minimum Points (Check One): ☐ Outside Shoreland Zone-50 ☐ Inside Shoreland Zone-65 ☐ Subdivision-65

LAMOINE

GOOGINS LANE

LARRY ROSS

**Variance Requests:**

System to Minor Water Course .....	40 feet .....	Table 8-A
Water Tight Tank to Minor Water Course inside the shoreland zone .....	35 feet.....	Table 8-A
Water Tight Tank to Ocean high water .....	50 feet .....	Table 8-A
Water Tight likely inside the Flood Plain .....		
Edge of disturbance to Minor water course inside the shoreland zone to install		
Tank and pump line .....	25 feet +/- .....	Table 8-A, Section 12